

**INTERNATIONAL SEARCH REPORT**

International Application No
PCT/EP 03/12150

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K9/00 A61K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 21 575 A (DR. RENTSCHLER ARZNEIMITTEL GMBH & CO.) 4 December 1997 (1997-12-04) cited in the application claims 1,11 page 3, line 20 - line 24 page 3, line 41 -page 4, line 5 page 4, line 33 - line 34	1-4,6, 15,19, 26-30
Y	—	10-12, 14, 16-18, 20-25

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the International search

13 February 2004

Date of mailing of the International search report

23/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax (+31-70) 340-3016

Authorized officer

Alvarez Alvarez, C

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/EP 03/12150

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 397 095 A (SCHERING AG) 11 June 1975 (1975-06-11) page 1, line 10 - line 13 page 1, line 72 - line 91 page 2, line 5 page 2, line 58 - line 60 page 2, line 68 page 2, line 102 - line 106 page 3, line 1 - line 10 ---	1-3, 6, 9, 15, 19
X	US 4 424 205 A (LAHANN ET AL.) 3 January 1984 (1984-01-03)  claims 7, 15, 16 column 4, line 23 - line 28 column 5, line 12 - line 15 column 5, line 56 column 6, line 28 - line 35 column 8, line 1 - line 18 ---	1-4, 8, 13, 19, 26-30
X	US 4 396 615 A (PETROW ET AL.) 2 August 1983 (1983-08-02)  claims 6, 7 column 4, line 19 - line 60 column 5, line 19 - line 20 column 5, line 30 - line 49 column 6, line 36 - line 44 example 5 ---	1-3, 5-8, 13, 15, 19, 26-30
X	US 3 549 770 A (HERSCHLER ET AL.) 22 December 1970 (1970-12-22) examples 56, 60 ---	1, 6, 19, 26-30
X	DE 33 33 388 A (KÜHNE) 4 April 1985 (1985-04-04) claim 1; figures 1-5 ---	1, 6, 15, 19, 26-30
X	US 5 318 961 A (WEINTRAUB ET AL.) 7 June 1994 (1994-06-07) page 7, line 27 - line 32 ---	1, 26-30
Y	US 6 309 669 B1 (SETTERSTROM ET AL.) 30 October 2001 (2001-10-30) column 21, line 19 - column 24, line 11 column 26, line 27 - line 29 column 38, line 17 - line 20 ---	10-12
Y	DE 197 03 140 A (MÜLLER) 30 July 1998 (1998-07-30) cited in the application claims 1-7; figures 1-3 ---	14, 16, 21-25
	-/-	

**INTERNATIONAL SEARCH REPORT**International Application No  
PCT/EP 03/12150**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 817 636 A (RITZENHOFF) 18 June 1974 (1974-06-18) figures 1-9 column 2, line 9 column 3, line 1 - line 4 column 3, line 65 - line 67 —	17,20
Y	DE 41 20 969 A (HENKEL KGAA) 21 May 1992 (1992-05-21) cited in the application claims 8-11,13 —	17,18

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/EP 03/12150**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 28-30 are directed to methods of treatment of the human/animal body (see PCT, Rule 39.1(iv) and Article 17(2)(a)(1)), the search has been carried out and based on the alleged effects of the stick composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 03/12150	

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19621575	A	04-12-1997	DE	19621575 A1		04-12-1997
GB 1397095	A	11-06-1975	DE	2140050 A1	15-02-1973	
			AT	342202 B	28-03-1978	
			AT	676172 A	15-07-1977	
			AU	470244 B2	11-03-1976	
			AU	4515372 A	07-02-1974	
			BE	787243 A1	05-02-1973	
			CA	977679 A1	11-11-1975	
			CH	566785 A5	30-09-1975	
			FR	2150734 A1	13-04-1973	
			NL	7210682 A	07-02-1973	
			SE	394795 B	11-07-1977	
			ZA	7205360 A	25-04-1973	
US 4424205	A	03-01-1984	CA	1244473 A1	08-11-1988	
			DE	3360453 D1	05-09-1985	
			EP	0089710 A1	28-09-1983	
US 4396615	A	02-08-1983	NONE			
US 3549770	A	22-12-1970	US	3376203 A	02-04-1968	
			BE	644615 A	01-07-1964	
			CA	1001075 A1	07-12-1976	
			FR	4169 M		
			GB	1106169 A	13-03-1968	
			GB	1098121 A	03-01-1968	
			IL	22492 A	22-08-1968	
			NL	6414292 A	10-06-1965	
			NL	149702 B	15-06-1976	
			CA	979364 A1	09-12-1975	
			US	3740420 A	19-06-1973	
			US	3790682 A	05-02-1974	
			BE	656879 A	09-06-1965	
			CH	474493 A	30-06-1969	
			DE	1443677 A1	29-01-1970	
			DK	123979 B	28-08-1972	
			FR	1492774 A	25-08-1967	
			GB	1046420 A	26-10-1966	
			LU	47554 A1	09-06-1965	
			NL	6414295 A	10-06-1965	
			SE	351209 B	20-11-1972	
			SE	349798 B	09-10-1972	
			BE	644614 A	01-07-1964	
			CH	490001 A	15-05-1970	
			DE	1492309 A1	30-03-1972	
			FR	1518576 A	29-03-1968	
			GB	1105749 A	13-03-1968	
			IL	22494 A	28-03-1968	
			NL	6414294 A	11-08-1965	
			SE	331768 B	11-01-1971	
			US	3549771 A	22-12-1970	
			US	3334012 A	01-08-1967	
DE 3333388	A	04-04-1985	DE	3333388 A1	04-04-1985	
US 5318961	A	07-06-1994	US	5143909 A	01-09-1992	
			US	5120840 A	09-06-1992	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 03/12150	

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 5318961	A	US 5218110 A US 5436237 A AT 138931 T AU 637247 B2 AU 8136291 A CA 2048242 A1 CN 1058596 A ,B DE 69119992 D1 DE 69119992 T2 DK 469548 T3 EP 0469548 A2 ES 2090184 T3 FI 913657 A GR 3020672 T3 HU 59156 A2 IE 912705 A1 IL 98999 A JP 3021819 B2 JP 6172379 A KR 186812 B1 MX 9203683 A1 NO 912981 A ,B, NZ 239142 A PT 98518 A ,B ZA 9105902 A AT 138073 T AT 141507 T AU 651670 B2 AU 1289792 A AU 642757 B2 AU 8135691 A CA 2048243 A1 DE 69119502 D1 DE 69119502 T2 DE 69212878 D1 DE 69212878 T2 DK 469547 T3 DK 509259 T3 EP 0469547 A2 EP 0509259 A1 ES 2089063 T3 ES 2093731 T3 FI 913658 A GR 3020268 T3 GR 3021298 T3 HU 59157 A2 IE 912706 A1 IE 920864 A1	08-06-1993 25-07-1995 15-06-1996 20-05-1993 06-02-1992 02-02-1992 12-02-1992 11-07-1996 06-02-1997 24-06-1996 05-02-1992 16-10-1996 02-02-1992 31-10-1996 28-04-1992 12-02-1992 31-10-1995 15-03-2000 21-06-1994 01-04-1999 01-08-1992 03-02-1992 26-05-1994 30-06-1992 29-04-1992 15-06-1996 15-09-1996 28-07-1994 24-09-1992 28-10-1993 06-02-1992 02-02-1992 20-06-1996 26-09-1996 26-09-1996 23-01-1997 10-06-1996 09-09-1996 05-02-1992 21-10-1992 01-10-1996 01-01-1997 02-02-1992 30-09-1996 31-01-1997 28-04-1992 12-02-1992 23-09-1992	
US 6309669	B1 30-10-2001	CN 1188408 A US 6410056 B1 US 5417986 A AU 6317598 A US 2003082193 A1 WO 9832427 A1 US 2003129233 A1 US 2003161889 A1 US 6447796 B1	22-07-1998 25-06-2002 23-05-1995 18-08-1998 01-05-2003 30-07-1998 10-07-2003 28-08-2003 10-09-2002	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 03/12150	

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6309669	B1	AP 665 A AU 722884 B2 AU 1410497 A BR 9607752 A CA 2216371 A1 EP 0817619 A1 JP 11509862 T NZ 325561 A NZ 335409 A WO 9726869 A1 US 5762965 A US 6217911 B1 US 6528097 B1 US 5693343 A	19-08-1998 10-08-2000 20-08-1997 30-11-1999 31-07-1997 14-01-1998 31-08-1999 29-06-1999 22-12-2000 31-07-1997 09-06-1998 17-04-2001 04-03-2003 02-12-1997
DE 19703140	A	30-07-1998	DE 19703140 A1
US 3817636	A	18-06-1974	AR 196277 A1 CA 989774 A1 DE 2344171 A1 FR 2198713 A1 GB 1409383 A IT 997238 B
DE 4120969	A	21-05-1992	DE 4120969 A1 AT 156977 T AT 213395 T CA 2096440 A1 CA 2269124 A1 DE 9117141 U1 DE 59108831 D1 DE 59109227 D1 DK 557323 T3 DK 702913 T3 WO 9208388 A1 EP 0557323 A1 EP 0702913 A2 ES 1021156 U1 ES 2104729 T3 ES 2172546 T3 GR 3025366 T3 JP 3364447 B2 JP 2000025853 A JP 6502372 T JP 2003205979 A MX 9200741 A1 TR 25692 A US 5597253 A US 5567071 A DE 4116581 A1 DE 9116552 U1 DE 9116572 U1 DE 9116573 U1 DE 9116574 U1 ZA 9109036 A
			21-05-1992 15-09-1997 15-03-2002 16-05-1992 16-05-1992 18-04-1996 25-09-1997 28-03-2002 06-04-1998 03-06-2002 29-05-1992 01-09-1993 27-03-1996 16-10-1992 16-10-1997 01-10-2002 27-02-1998 08-01-2003 25-01-2000 17-03-1994 22-07-2003 01-10-1992 01-09-1993 28-01-1997 22-10-1996 21-05-1992 11-03-1993 11-03-1993 11-03-1993 18-03-1993 29-07-1992